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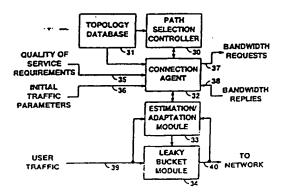
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- (3) Dynamic bandwidth estimation and adaptation for packet communications networks.
- (57) Access control for a packet communications network includes a dynamic bandwidth updating mechanism which continuously monitors the mean bit rate of the signal source and the loss probability of the connection. These values are filtered to remove noise and then used to test whether the values fall within a pre-defined acceptable adaptation region in the mean bit rate, loss probability plane. Values falling outside of this region trigger bandwidth updating procedures which, in turn, result in acquiring a new connection bandwidth, and determining new filter parameters and new parameters for a leaky bucket access mechanism.

FIG. 3 SOURCE BANDWIDTH MANAGEMENT SUBSYSTEM



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EUROPEAN SEARCH REPORT

Application Number

	DOCUMENTS CONSIDERED TO BE RELEVANT			EP 94480066
Category		st with indication, where appropriate, trant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (let. CL. 6
A	EP - A - 0 (TOSHIBA K * Fig.	473 188 (.K.) 8; abstract; claim 1	1,6	H 04 L 12/00 H 04 L 12/56 H 04 L 12/56
A .	EP - A - 0 (HITACHI L * Fig. claim	TD.) 2; abstract;	1.6	
	EP - A - 0 (BELL TELE MANUFACTUR * Fig. abstra	PHONE ING COMP.) 1,2; claim 1;	1,6	- -
	abstra			
				TECHNICAL FIELDS SEARCHED (Let. CL.6)
				H 04 L 12/00 H 04 J 3/00
112-	Brescal grant man -	es been drawn up for all claims	-	
Fied	IENNA	Date of example of the search 07-06-1995	<u> </u>	Exeminar DCDD
: particular : particular document : technologi	GORY OF CITED DOCU by relevant if taken alone by relevant if combined with of the same category cal background a disclassere	MENTS I : theory or price E : earlier patent of after the filing 1 another D : document cites	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons 4: member of the same patent family, corresponding	

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